Santu Yadav — Aspiring Computer Engineer

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Profile

MERN and Android Full-Stack (Kotlin + XML) developer. Currently working on an **Advanced Attendance System**, an AI/ML-enabled web-based attendance platform as a final-year engineering project.

Strong interest in AI/ML, web development, and Android application development using Kotlin. Currently upgrading cloud computing skills with AWS.

Open to collaboration opportunities as a **Junior Full-Stack Web Developer** or **Junior Android Developer**.

Technical Skills

Languages: JavaScript, Kotlin, C, C++, Node.js, Express.js

Web: HTML, CSS, Tailwind CSS, React.js, Vue.js

Databases: MongoDB (Mongoose ORM), PostgreSQL, SQL

Other: OOP Concepts, UI Design, Git/GitHub, RESTful APIs, FastAPI

Technical Skills

Languages: JavaScript, Kotlin, Node Js, Express js C, C++

Web: HTML, CSS, Tailwind CSS, React Js, Vue Js

Databases: MongoDB with Mongoose ORM SQL, PostgreSQL,

Other: OOP Concepts, UI Design, Git/GitHub, RESTful Api, FAST Api

Projects

Smart Invoice: A complete web based invoicing solution (MERN/MEVN). I mostly handled frontend.Also I developed invoicing logics and pdf generation functionality using various liabraries like jsPDF.I also contributed to migrate database into mongodb atlas.

Smart Invoice: A complete web-based invoicing solution (MERN/MEVN stack). Primarily handled front-end development and implemented invoicing logic and PDF generation using libraries such as jsPDF. Also contributed to migrating the database to MongoDB Atlas.

Real-Time Accident Reporting System: Researched and conceptualized a life-saving real-time accident reporting platform addressing the absence of such systems in Nepal, enabling bystanders to report accidents and assist victims promptly.

Developed the solution during a college hackathon to support rapid incident reporting and emergency response.

Implemented Google Maps APIs (Maps, Places, Distance Matrix) to identify the nearest top three hospitals, ambulances, and police stations.

Integrated Twilio WhatsApp messaging to send real-time alerts with precise incident location and details to emergency services.

CEE-Rank-Predictor: An AI powered web based and custom AI model trained using real dataset of previous year Common Entrance Exam for medical students

Inventory Management System: Windows desktop app built in C#. Contributed mostly in UI design.

Student Management System: Individual project (MEVN stack). Currently under development.

Achievements

ISTN Hackathon 2025 Winner: Winner of the 24-hour ISTN Hackathon 2025, organized by IT Skills Training Nepal.

Participated in The Cosmos Hackathon as Mentor: Organized by ICT CLUB cosmos college

Participated in Ambition Hack Fest 2025: A 48 hours national level hackathon organized by Ambition College, Mid-Baneshwor

GPA: 3.83 : In 1st semester (Pokhara University)

University Scholarship Holder: Got fully-funded scholarship from Pokhara University.

References

Er. Ajaya Adhikari

HOD, Department of ICT

Cosmos College of Management and Technology